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NEWS	1		Web Page for STN Seminar Schedule - N. America
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NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
NEWS	18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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=>
Uploading C:\Program Files\Stnexp\Queries\10720702b.str

L1 STRUCTURE UPLOADED

=>
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L2 STRUCTURE UPLOADED

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=> s 11
SAMPLE SEARCH INITIATED 01:46:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13498 TO ITERATE
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14.8% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 262998 TO 276922
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> search 11
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 268903 TO ITERATE

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SEARCH TIME: 00.00.05

L4 0 SEA SSS FUL L1

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ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 268903 TO ITERATE

100.0% PROCESSED 268903 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.05

L5 2 SEA SSS FUL L2

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
SESSION
FULL ESTIMATED COST 392.39 392.61

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FILE COVERS 1907 - 19 Jan 2010 VOL 152 ISS 4
FILE LAST UPDATED: 17 Jan 2010 (20100117/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAplus now includes complete International Patent Classification (IPC)

reclassification data for the third quarter of 2009.

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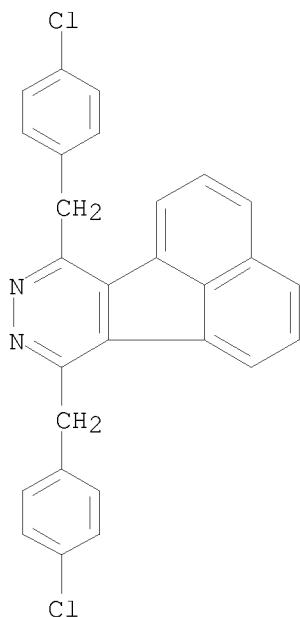
<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L6 3 L5

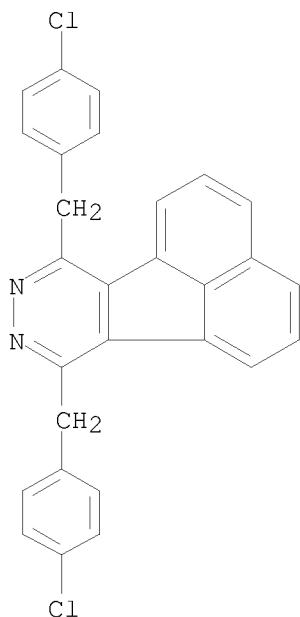
=> d 16 fbib ab hitstr

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1612258 CAPLUS
TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to document cited in CA151:101110]
AU Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
CS Organisch-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
SO Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274
CODEN: OBCRAK; ISSN: 1477-0520
PB Royal Society of Chemistry
DT Journal; Errata
LA English
AB On page 2082, Scheme 2 was incorrectly given; the correct version of the scheme is given. On page 2083, in Table 1, the entry for compound 12b, was incorrectly given, and should be omitted; the correct version of the table is given.
IT 1166260-69-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines (Erratum))
RN 1166260-69-0 CAPLUS
CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)

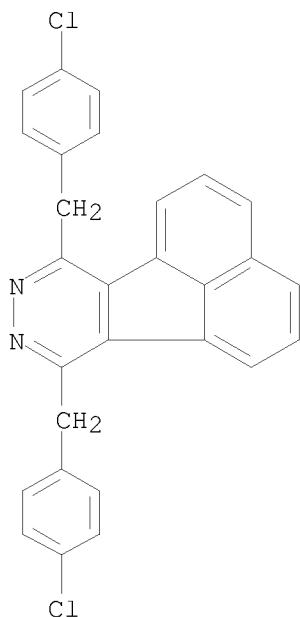


=> d 16 fbib ab hitstr 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:1612258 CAPLUS
 TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to document cited in CA151:101110]
 AU Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
 CS Organisch-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
 SO Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274
 CODEN: OBCRAK; ISSN: 1477-0520
 PB Royal Society of Chemistry
 DT Journal; Errata
 LA English
 AB On page 2082, Scheme 2 was incorrectly given; the correct version of the scheme is given. On page 2083, in Table 1, the entry for compound 12b, was incorrectly given, and should be omitted; the correct version of the table is given.
 IT 1166260-69-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
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 RN 1166260-69-0 CAPLUS
 CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)



L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:554697 CAPLUS
 DN 151:101110
 TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthenes derivatives
 AU Rahanyan, Nelli; Linden, Anthony; Baldridge, Kim K.; Siegel, Jay S.
 CS Organisch-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
 SO Organic & Biomolecular Chemistry (2009), 7(10), 2082-2092
 CODEN: OBCRAK; ISSN: 1477-0520
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OS CASREACT 151:101110
 AB The synthesis of a series of 3,6-disubstituted-1,2,4,5-tetrazines has been effected using an inverse electron demand [2 + 4] cycloaddn. strategy. The crystal structures of 18 members of this series of diazafluoranthenes are reported. Stereochem. anal. shows that diazafluoranthenes, substituted across the bay region, are helically-twisted strained aromatic mols. The dihedral angle between pyridazyl vs naphthyl rings ranges from 0.5° to 20.9°, and follows the degree of steric congestion in the bay region. The crystal structures are compared to computational structures determined using d. functional theory, with the M06-2X/cc-pVDZ method.
 IT 1166260-69-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines)
 RN 1166260-69-0 CAPLUS
 CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)



RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2003:263994 CAPLUS
 DN 139:6845
 TI Synthesis and Inverse Electron Demand Diels-Alder Reactions of
3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine
 AU Soenen, Danielle R.; Zimpleman, Jeffrey M.; Boger, Dale L.
 CS Department of Chemistry and the Skaggs Institute for Chemical Biology, The
Scripps Research Institute, La Jolla, CA, 92037, USA
 SO Journal of Organic Chemistry (2003), 68(9), 3593-3598
 CODEN: JOCEAH; ISSN: 0022-3263
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 139:6845
 AB 3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine I [R = 3,4-(MeO)2C6H3] is
prepared in five steps from 3,4-dimethoxybenzaldehyde; I undergoes inverse
electron demand Diels-Alder reactions with a variety of electron-rich
alkenes and alkynes and imine derivs. to yield pyridazines and
1,2,4-triazines such as II and III [R = 3,4-(MeO)2C6H3]. Reaction of
3,4-dimethoxybenzaldehyde with trimethylsilyl cyanide and zinc iodide
yields a cyanohydrin which undergoes ethanol addition with HCl to yield an
imide salt; addition of the imide salt to neat hydrazine hydrate followed
by oxidation with iron (III) chloride and Dess-Martin oxidation provides I [R =
3,4-(MeO)2C6H3]. I [R = 3,4-(MeO)2C6H3] is unstable in protic solvents
such as methanol and to silica gel chromatog. but can be readily purified
by trituration from Et acetate. I [R = 3,4-(MeO)2C6H3] undergoes
cycloaddn. with enamines, ynamines, enol and alkynyl ethers, ketene
acetals, and p-chlorobenzimidates to yield pyridazines and 1,2,4-triazines
in 31-100% yields; elimination of the alkoxy or amine leaving groups after
loss of N2 can be accelerated by treatment of the intermediate mixture with
acetic acid in benzene. Acetophenone dimethylhydrazone and O-Me oxime

undergo tautomerization to substituted (dimethylhydrazino) and (methoxyamino)styrenes which undergo cycloaddn. and elimination reactions with I to yield substituted pyridazines in 44-54% yields.

Electron-deficient substrates such as Me propiolate react with I [R = 3, 4-(MeO)2C6H3] but require higher temps.; neither diphenylacetylene or the hindered enol ether (Z)-1,2-di(p-methoxyphenyl)-1-methoxyethene undergo reaction with I [R = 3, 4-(MeO)2C6H3].

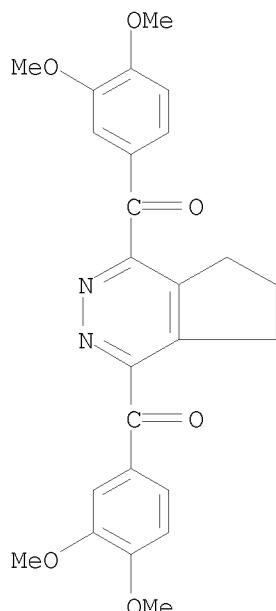
IT 534619-55-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of a 3,6-dibenzoyl-1,2,4,5-tetrazine and its inverse electron demand Diels-Alder reactions with electron-rich alkenes and alkynes and imine derivs. to yield pyridazines and 1,2,4-triazines)

RN 534619-55-1 CAPLUS

CN Methanone, (6,7-dihydro-5H-cyclopenta[d]pyridazine-1,4-diyl)bis[(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)]



OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT